

AMENDMENTS TO THE SPECIFICATION:

At the top of page 1, please replace the title of the invention with the following amended title:

**~~HIGH-INTENSITY ELECTROMAGNETIC RADIATION APPARATUS~~
AND METHODS FOR PRODUCING ELECTROMAGNETIC
RADIATION**

Please replace paragraph [0209] with the following amended paragraph:

[0209] In this embodiment, to discharge the capacitors and generate the electrical discharge pulse when desired, the pulse supply circuit **1500** includes a discharge switch. More particularly, in this embodiment the discharge switch includes a silicon-controlled rectifier (SCR) **1540**, in communication with the controller **170** shown in **FIG. 2**. As will be appreciated, the SCR **1540** will not conduct until a gate voltage is applied to the SCR **1540** by the controller **170**, in response to which the SCR **1540** will begin conducting and will continue to conduct as long as the current flowing across it exceeds the intrinsic holding current of the SCR. Thus, the SCR **1540** does not allow the capacitors of the pulse supply circuit **1500** to discharge until the gate voltage is applied to the SCR **1540** by the controller **170**, in response to which the capacitors of the pulse supply circuit are allowed to discharge. In this embodiment the discharge occurs through an inductor **1542**, which in the present embodiment has an inductance of 4.6 microhenrys. Alternatively, other suitable types of discharge switches may be substituted.